Order No. ACED060432C1
C4

Service Manual

AUTOMOTIVE AFTERMARKET

CQ-5302U

Heavy Duty MP3 CD Player / Weather Band Receiver with CD changer Control / Satellite Radio Ready

Specification*

General

Power Supply	DC 12V (11V - 16V),
	Test Voltage 14.4V
	Negative Ground
Current Consumption	Less than 2.5A (CD mode, 0.5W 4 Speaker)
Maximum Power Output	37W × 4 channels at 400Hz, Volume Control maximum)
Tone adjustment range	Bass ; ±12dB at 100Hz
	Treble ; ±12dB at 10kHz
Power Output	18W per channel into 4 ohms, 40 to 30000Hz at 3% THD
Suitable Speaker Impedance	4-8Ω

FM Stereo Radio

Frequency Range	87.9 - 107.9MHz
Usable Sensitivity	12dBf (1.1μV/75Ω, S/N 30dB)
50 dB Quieting Sensitivity	17 dBf. (1.8μV/75Ω)
Frequency Response	30-15000Hz±3dB
Alternate Channel Selectivity	75 dB
Stereo Separation	35 dB at 1kHz
Signal/Noise Ratio	70 dB (Mono)

AM Radio

Frequency Range	530 - 1,710kHz
Usable Sensitivity	28dB/μV (S/N 20dB)

Weather Band Radio

Frequency Range	162.40 - 162.55MHz
Usable Sensitivity	3dB/μV (S/N 20dB)
Signal to Noise Ratio (40 dB/μV)	50dB

CD Player

Sampling Frequency	8 times oversampling
DA Converter	MASH 1 bit/4 DAC System
Error Correction System	Spot size detection method
Pick-Up Type	3-beam
Light Source	Semiconductor Laser
Wavelength	790nm
Frequency Response	20Hz to 20,000Hz (±1dB)
Signal to Noise Ratio	85dB
Wow and Flutter	Below measurable limits
Channel Separation	75 dB

Dimensions** (W×H×D)	7”×1-15/16×6-1/8” (178×50×155mm)
Weight**	3 lbs.12oz (1.7kg)

* Specifications and the design are subject to possible modification without notice due to improvements.

** Dimensions and Weight shown are approximate.

Panasonic®

© 2006 Matsushita Electric Industrial Co., Ltd. All rights reserved. Unauthorized copying and distribution is a violation of law.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by ⚠ in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

CONTENTS

	Page
1 ABOUT LEAD FREE SOLDER (PbF)	3
2 LASER PRODUCTS	3
3 FEATUERS	3
4 REPLACEING THE FUSE	3
5 MAINTENANCE	3
6 NOTES	3
7 DIMENSIONS	3
8 WIRING CONNECTION	4
9 BLOCK DIAGRAM	5
10 TERMINALS DESCRIPTION	6
11 PACKAGE AND IC BLOCK DIAGRAM	8
12 REPLACEMENT PARTS LIST	10
13 EXPLODED VIEW (Unit)	14
14 CD PLAYER MECHANICAL PARTS LIST	15
15 EXPLODED VIEW (CD Deck)	16
16 PACKING PARTS LIST	17
17 WIRING DIAGRAM	18
18 SCHEMATIC DIAGRAM-1	21
19 SCHEMATIC DIAGRAM-2	23
20 SCHEMATIC DIAGRAM for Printing with Letter Size	24

1 ABOUT LEAD FREE SOLDER (PbF)

Distinction of PbF PCB:

PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.

Caution :

- Pb free solder has a higher melting point than standard solder; Typically the melting point is 50 - 70°F (30 - 40°C) higher. Please use a soldering iron with temperature control and adjust it to 700 ± 20°F (370 ± 10°C). In case of using high temperature soldering iron, please be careful not to heat too long.
- Pb free solder will tend to splash when heated too high (about 1100°F/600°C)
- This lead free solder will be used for the products after serial No. 1,000,001.

2 LASER PRODUCTS

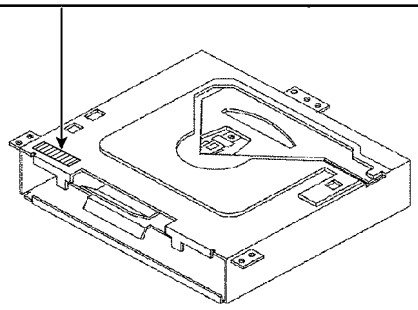
CAUTION:

This product utilizes a laser diode with the unit turned "on", laser radiation is emitted from the pickup lens.

Laser radiation from the pickup lens is safety level, but be sure the followings:

1. Do not disassemble the optical pickup unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pickup unit. It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pickup lens for a long time.

DANGER! Invisible laser radiation when open. Avoid direct exposure to beam.



Deck Ass'y (Upper Side)

Caution
This Product utilizes a laser.
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

3 FEATUERS

- 24-Stations Preset (6-FM1, 6-FM2 , 6-W/B , 6-AM).
- Rotary VOL.
- Weather Band .
- Power amplifier output : 37W x 4.
- Slot-In Type FIX Face.

4 REPLACEING THE FUSE

Use fuses of the same specified rating (10A). Using different substitutes or fuses with higher ratings, or connecting the product directly without a fuse, could cause fire or damage to the stereo unit.

5 MAINTENANCE

Your products is designed and manufactured to ensure a minimum of maintenance. Use a dry, a soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvents.

6 NOTES

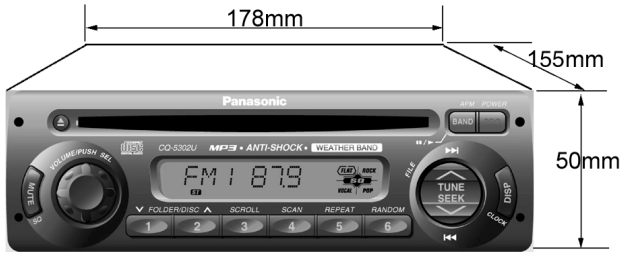
[RADIO BLOCK]

Do not align the AM/FM package block. When the package block is necessary, it will be supplied already aligned at the factory.

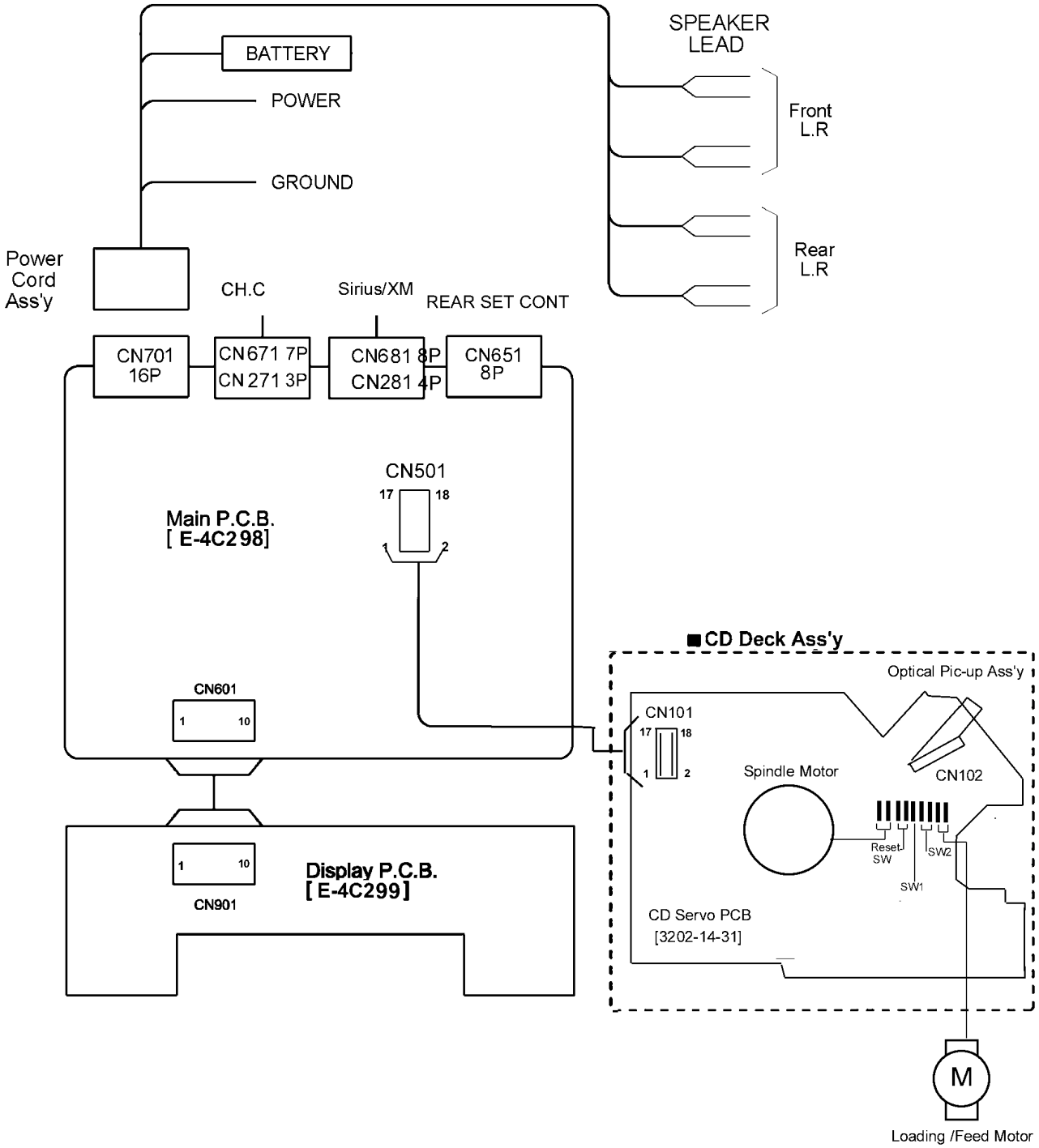
[CD DECK BLOCK]

This model has no servo alignment points because microcomputer controls the servo circuit.

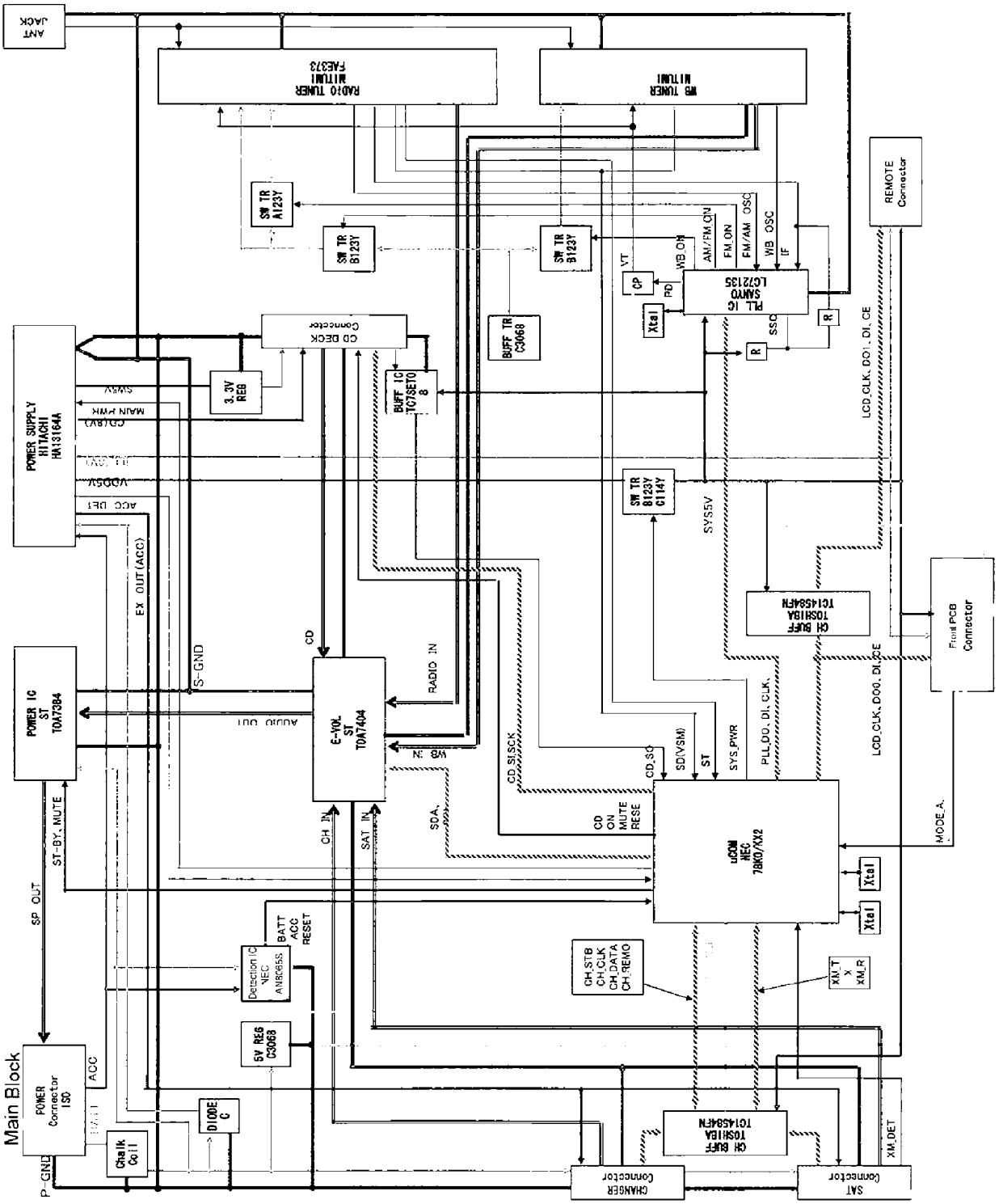
7 DIMENSIONS



8 WIRING CONNECTION



9 BLOCK DIAGRAM



10 TERMINALS DESCRIPTION

10.1. Main Block

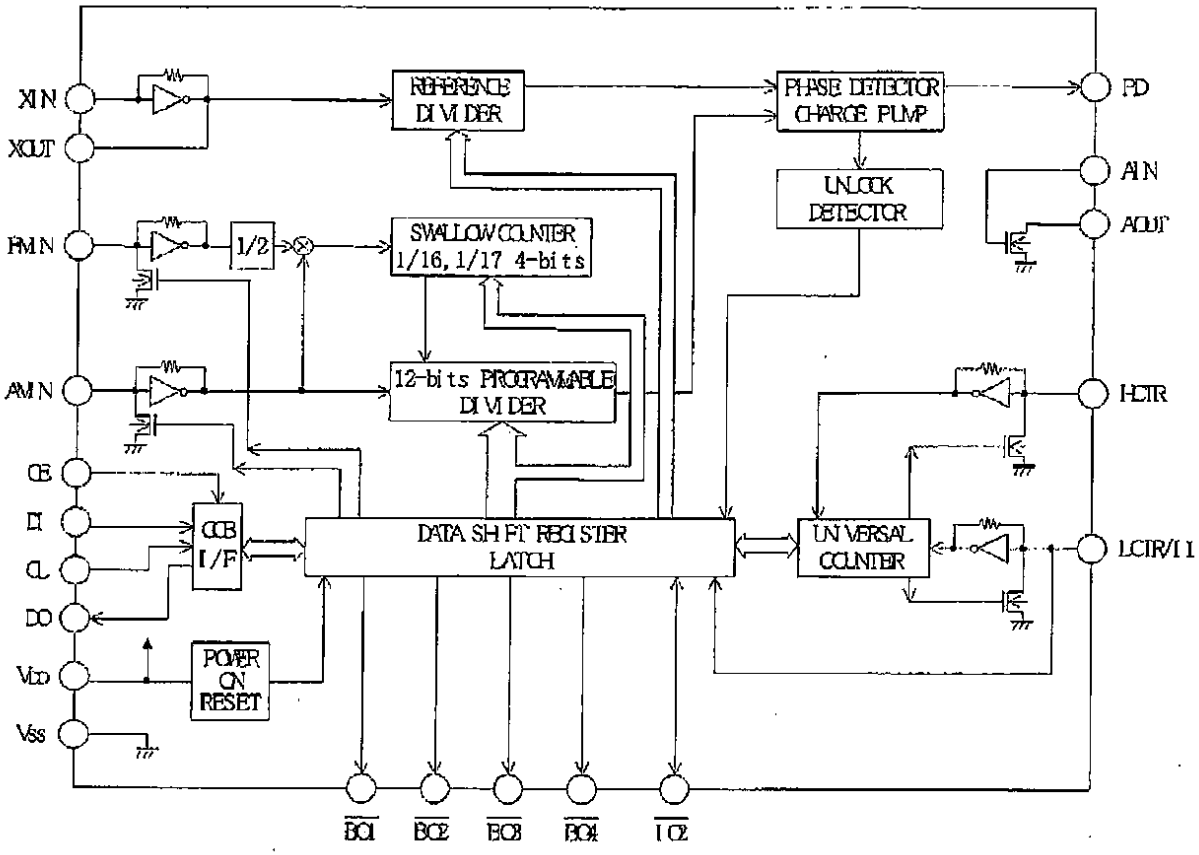
IC601 : C2BBYY000199

Ref. No.	Part No.	Part Name & Description	I/O(V)	FM	AM	WB	CD
1	CH_STB	CD Changer Comunication Strobe	I	0	0	0	0
2	ROTARY2	Rotary encoder Signal Input2(VOL UP)	I	4.9	4.9	4.9	4.9
3	ROTARY1	Rotary encoder Signal Input2(VOL DOWN)	I	0	0	0	0
4	NC	None	I	0	0	0	0
5	NC	None	I	0	0	0	0
6	NC	None	I	0	0	0	0
7	NC	None	I	0	0	0	0
8	NC	None	I	0	0	0	0
9	ILL_PWR	Illumination Power	O	5.21	5.21	5.21	5.21
10	RFSET	System Reset	I	5.17	5.17	5.17	5.17
11	XT2	SubSystem Clock	_	2.7	2.7	2.7	2.7
12	XT1	SubSystem Clock	_	2.4	2.4	2.4	2.4
13	FLMDO	Flash memory programming mode	_	0	0	0	0
14	X2	Main System Clock	_	2.6	2.6	2.6	2.6
15	X1	Main System Clock	_	2.58	2.58	2.58	2.58
16	REGC	Regulator	_	2.54	2.54	2.54	2.54
17	VSS	GND	_	0	0	0	0
18	EVSS	Port GND	_	0	0	0	0
19	VDD	Power source	_	5.24	5.24	5.24	5.24
20	EVDD	Port +	_	5.24	5.24	5.24	5.24
21	12C_SCL	12C Bus Clock	O	5.09	5.09	5.09	5.09
22	12C_SDA	12C Bus Data	I/O	5.09	5.09	5.09	5.09
23	NC	NC	I	5.07	5.07	5.07	5.07
24	SYS_PWR	System Power Driver Signal Output	O	0.03	0.03	0.03	0.03
25	ACC_DET	Main Power IC Detect Signal Input	I	5.33	5.33	5.33	5.33
26	AMP_STBY	Standby Signal Output	O	5.25	5.25	5.25	5.25
27	AMP_MUTE	Mute Signal Output	O	5.25	5.25	5.25	5.25
28	MAIN_PWR	Driver Signal Output	O	5.24	5.24	5.24	5.24
29	NC	NC	I	0	0	0	0
30	NC	NC	I	0	0	0	0
31	NC	NC	I	0	0	0	0
32	NC	NC	I	0	0	0	0
33	NC	NC	I	0	0	0	0
34	NC	NC	I	0	0	0	0
35	NC	NC	I	0	0	0	0
36	NC	NC	I	0	0	0	0
37	NC	NC	I	0	0	0	0
38	NC	NC	I	0	0	0	0
39	NC	NC	I	0	0	0	0
40	ACC_SENS	Accessories Power source detect Signal Input	I	5.19	5.19	5.19	5.19
41	BATT_SENS	Battery detect Signal Input	I	5.18	5.18	5.19	5.19
42	PLL_DATA	Radio PLL Communication data Rx	I	5.07	5.05	5.09	5.07
43	PLL_CLK	Radio PLL Communication clock Tx	O	5.23	5.23	5.24	5.24
44	PLL_COM	Radio PLL Communication clock Tx	O	0	0	0	0
45	PLL_CE	Radio PLL Communication CippEnable Tx	O	0	0	0	0
46	NC	NC	I	0	0	0	0
47	NC	NC	I	0	0	0	0
48	CD_MUTE	CD Deck Mute Signal Input	I	0.01	0.01	0.01	5.09
49	NC	NC	I	0	0	0	0
50	SAX_RX	SAT(XM/Sirius)Communication UART Data Rx	I	4.93	4.93	4.95	4.95
51	SAX_TX	SAT(XM/Sirius)Communication UART Data Tx	O	0	0	0	0.06
52	CD_COM	CD Deck Communication Data Output	O	0.13	0.13	0.13	0.13
53	CD_DATA	CD Deck Communication Data Output	I	2.2	2.2	2.2	1.5
54	CD_SCK	CD Deck Communication Clock Output	O	5.18	5.19	5.19	5.19
55	CD_RESET	CD Deck Communication Clock Output	O	5.19	5.2	5.2	5.2
56	CD_STB	CD Deck Communication Strobe Output	O	3.5	3.5	3.5	3.5
57	CD_SW2	CD Deck Disc In Detect Signal Input	I	0.01	0.01	0.01	5.07
58	CD_SW1	CD Deck Detect Signal Input	I	5.06	5.05	5.07	5.07
59	AVREF	A/D Converter	_	5.09	5.08	5.1	5.1
60	AVSS	A/D Converter	_	0	0	0	0
61	SAT_DET	SAT(XM/Sirius)Communication Detect Input	I	2.72	2.71	2.73	2.7
62	VSM	Radio Strong Signal Input	I	3.3	3.1	0	0.5
63	ST	Radio Stereo Signal Input	I	5.04	5.04	0.68	4
64	WB_SD		I	0	0	5.04	0
65	WRC_COM	Wired remote control communication Data Rx	O	4.78	4.78	4.79	4.78
66	WRC_DATA	Wired remote control communication Data Tx	I	5.05	5.02	5.06	5.05
67	WRC_CLK	Wired remote control communication Data Rx	O	4.91	4.9	4.9	4.91
68	WRC_CE	Wired remote control communication CippEnable Tx	O	0.3	0.3	0.32	0.3
69	LCD_CE	LCD Driver communication CippEnable Rx	O	0.16	0.15	0.16	0.16
70	LCD_CLK	LCD Driver communication Clock Tx	O	5.15	5.16	5.16	5.17
71	LCD_DATA	LCD Driver communication Data Tx	I	5.09	5.08	5.1	5.09
72	LCD_COM	LCD Driver communication Data Rx	O	5.24	5.25	5.25	5.24
73	CH_REMO	CD Changer Comunication Remote Data Tx	O	0	0	0	0

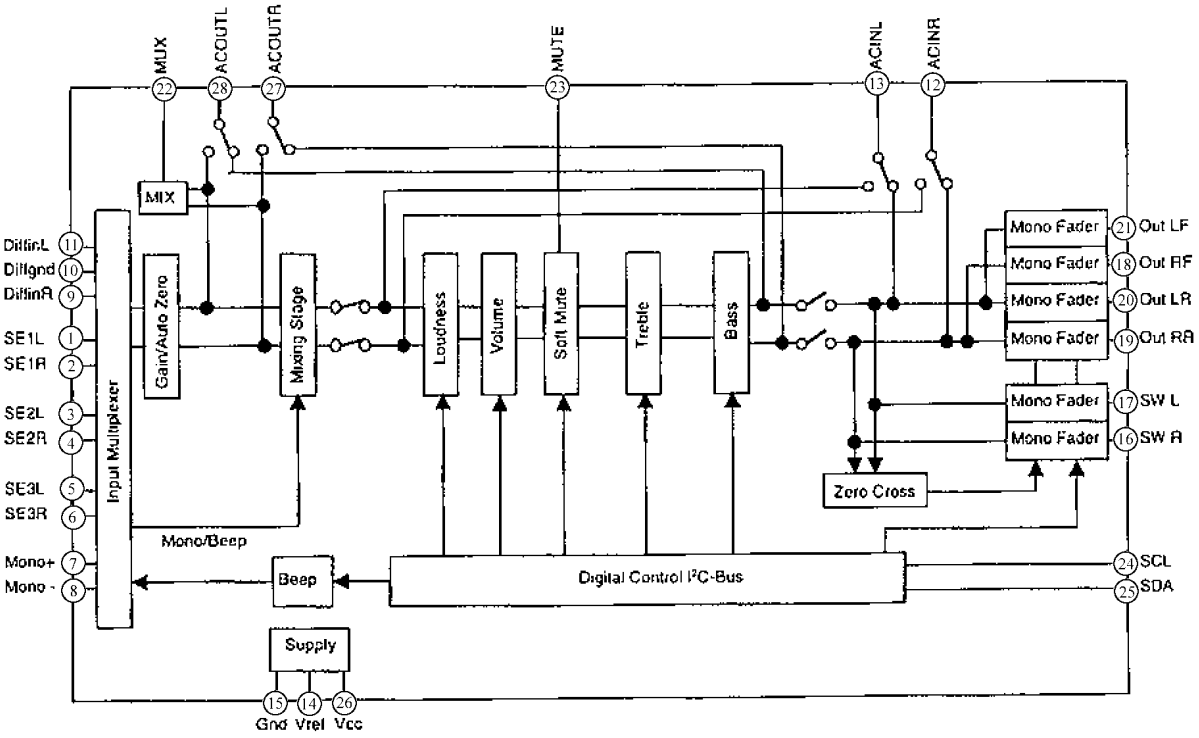
Ref. No.	Part No.	Part Name & Description	I/O(V)	FM	AM	WB	CD
74	NC	NC	I	0	0	0	0
75	NC	NC	I	0	0	0	0
76	NC	NC	O	0	0	0	0
77	CH-DATA	CD Changer Comunication Data Rx	I	0	0	0	0
78	CH-CLK	CD Changer Comunication Clock Rx	I	0	0	0	0
79	NC	NC	I	0	0	0	0
80	NC	NC	I	0	0	0	0

11 PACKAGE AND IC BLOCK DIAGRAM

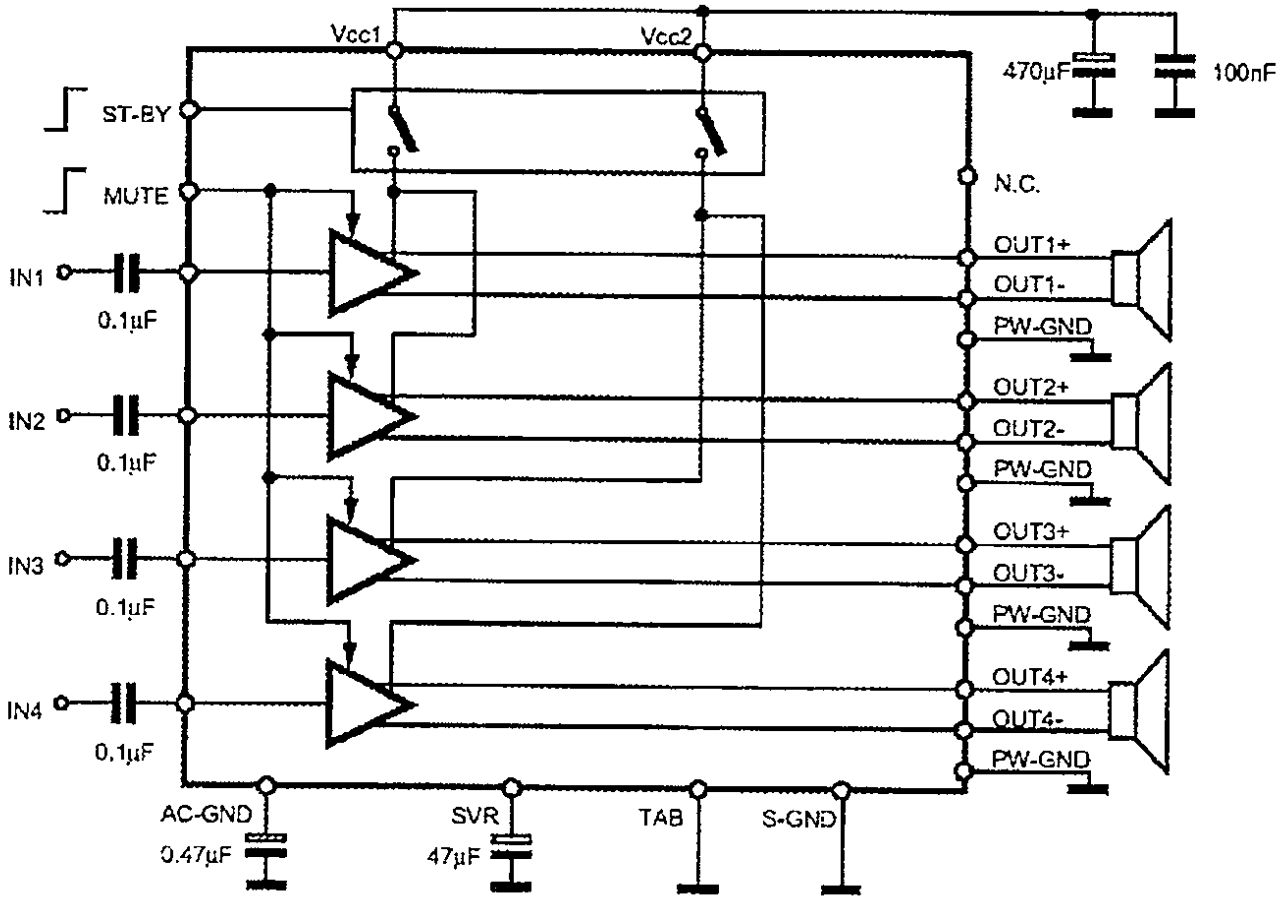
11.1. Main Block



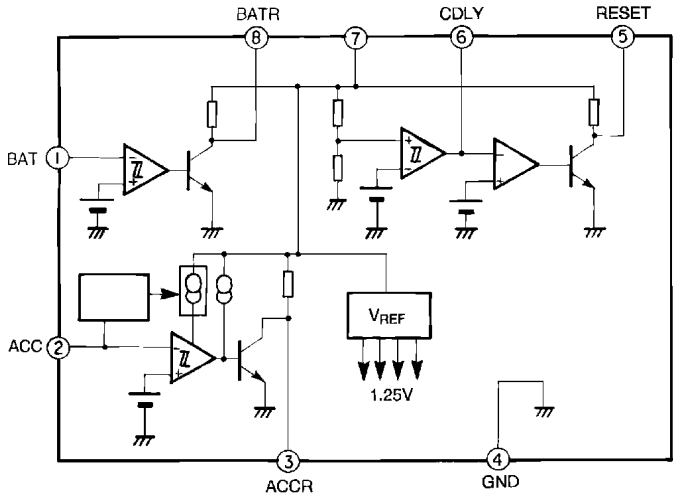
IC401:C1BB00001037



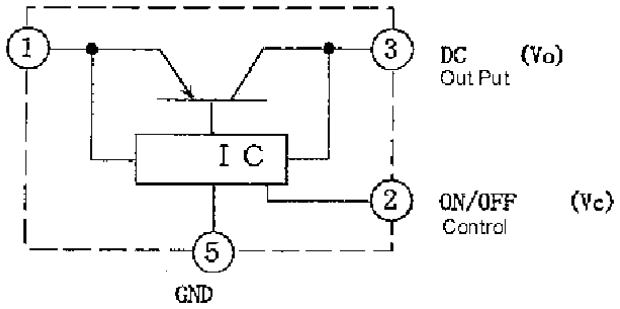
IC201 : C1BB00000543



IC251:C1EA00000042



IC701 : AN8065S-E1V



IC501: C0CBCBG00012

12 REPLACEMENT PARTS LIST

Note:

1. Be sure to make your orders of replacement parts according to this list.
2. Important safty notice: Component , indentified by ⚠ mark have special characteristics important for safety. when replacing any of these components, use only manufacturer's specified parts.
3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing. as in a load map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. Aft the end of this period, the assembly will no longer be available.
5. "T" marks in remarks colum are indicated supply parts of TAMACO.

▪ Order intake period is basically six months after the first shipment

Ref. No.	Part No.	Part Name & Description	Remarks
1. IC's and Transistors			
MAIN BLOCK [E-4C298]			
IC201	C1BB00000543	IC	T
IC251	C1EA00000042	IC	T
IC401	C1BB00001037	IC	T
IC501	C0CBCBG00012	IC	T
IC502	C0JBAA000486	IC	T
IC601	C2BBYY000199	IC	T
IC661	C0JBBD000001	IC	T
IC701	AN8065S-E1V	IC	T
IC751	C0DAZHF00004	IC	T
PA051	C5BA00000122	Tuner (W/B)	T
PA101	J3CZAB000001	Tuner	T
Q61	B1AAEC000002	Transistor	T
Q62	B1GDGFEH0001	Transistor	T
Q63	B1GDCFEH0001	Transistor	T
Q101	B1GDGFEH0001	Transistor	T
Q501	B1GBCFJN0004	Transistor	T
Q502	B1GBCFNN0004	Transistor	T
Q503	B1GBCFNN0004	Transistor	T
Q701	B1AAEC000002	Transistor	T
Q721	B1GDCFEH0001	Transistor	T
Q731	B1GDGFEH0001	Transistor	T
Q732	B1GBCFJN0004	Transistor	T
DISPLAY BLOCK [E-4C299]			
IC901	C0HBA0000223	IC	T
2. Diodes			
MAIN BLOCK [E-4C298]			
D51	MA2C85600E	Diode	T
D101	B0ACCK000005	Diode	T
D102	MA2C85600E	Diode	T
D251	B0EAJP000001	Silcon Diode	T
D252	B0EAJP000001	Silcon Diode	T
D253	B0EAJP000001	Silcon Diode	T
D254	B0EAJP000001	Silcon Diode	T
D351	B0EAJP000001	Silcon Diode	T
D352	B0EAJP000001	Silcon Diode	T
D353	B0EAJP000001	Silcon Diode	T
D354	B0EAJP000001	Silcon Diode	T
D401	B0ACCK000005	Diode	T
D601	B0JCCE000003	Diode	T
D650	B0JAME000085	Diode	T
D651	B0BC5R600010	Zener Diode	T
D652	B0BC5R600010	Zener Diode	T
D653	B0BC5R600010	Zener Diode	T
D654	B0BC5R600010	Zener Diode	T
D661	B0JCCE000003	Diode	T
D662	B0BC5R600010	Zener Diode	T
D663	B0BC5R600010	Zener Diode	T
D664	B0BC5R600010	Zener Diode	T
D665	B0BC5R600010	Zener Diode	T
D681	B0BC5R600010	Zener Diode	T
D682	B0BC5R600010	Zener Diode	T
D683	B0ACCK000005	Diode	T
D701	B0ZAZ0000006	Diode	T
D702	B0EAJP000001	Silcon Diode	T
D703	B0BC5R7A0062	Zener Diode	T
D751	B0ECKE000002	Diode	T
D752	B0ACCK000005	Diode	T
DISPLAY BLOCK [E-4C299]			
D901	B3ABB0000224	LED (YELLOW GREEN)	T
D902	B3ABB0000224	LED (YELLOW GREEN)	T
D903	B3ABB0000224	LED (YELLOW GREEN)	T
D904	B3ABB0000224	LED (YELLOW GREEN)	T
D905	B3ABB0000224	LED (YELLOW GREEN)	T
D906	B3ABB0000224	LED (YELLOW GREEN)	T
D907	B3ABB0000224	LED (YELLOW GREEN)	T
D908	B3ABB0000224	LED (YELLOW GREEN)	T
D909	B3ABB0000224	LED (YELLOW GREEN)	T
D910	B3ABB0000224	LED (YELLOW GREEN)	T
D911	B3ABB0000224	LED (YELLOW GREEN)	T
D912	B3ABB0000224	LED (YELLOW GREEN)	T
D913	B3AAB0000216	LED(RED)	T
D914	B0BC5R600010	Zener Diode	T
D915	B0BC5R600010	Zener Diode	T
D916	B0BC5R600010	Zener Diode	T
D920	B0ACCK000005	Diode	T
D951	B3ABB0000265	LED (GREEN)	T
3. Capacitors			
MAIN BLOCK [E-4C298]			
C52	F1J1H102A733	Ceramic 1000pF 50WV	T
C53	F1J1H470A732	Ceramic 47pF 50WV	T
C54	F1J1H102A733	Ceramic 1000pF 50WV	T
C55	F2A1A221A807	Electrolytic 220pF 10WV	T
C56	F1J1H103A733	Ceramic 0.01MFD 50WV	T
C57	F1J1H273A733	Chip 0.027MFD 50WV	T
C58	F1J1H273A733	Chip 0.027MFD 50WV	T
C59	F1J1H103A733	Ceramic 0.01MFD 50WV	T
C60	F1J1H103A733	Ceramic 0.01MFD 50WV	T
C61	F2A1A101A354	Electrolytic 100pF 10WV	T
C101	F1J1H102A733	Ceramic 1000pF 50WV	T
C102	F2A1A101A354	Electrolytic 100pF 10WV	T
C103	F1J1H103A733	Ceramic 0.01MFD 50WV	T
C201	F1J1C105A173	Ceramic 1MFD 16WV	T
C202	F1J1C105A173	Ceramic 1MFD 16WV	T
C203	F1J1C105A173	Ceramic 1MFD 16WV	T
C204	F2A1H2R2A407	Electrolytic 2.2pF 50WV	T
C205	F1K1C105A070	Ceramic 1MFD 16WV	T
C206	F2A1H2R2A407	Electrolytic 2.2pF 50WV	T
C207	F2A1A221A807	Electrolytic 220pF 10WV	T
C208	F1J1C105A173	Ceramic 1MFD 16WV	T
C209	F1J1C105A173	Ceramic 1MFD 16WV	T
C251	F1J1C105A173	Ceramic 1MFD 16WV	T
C252	F1J1H104A733	Ceramic 0.1MFD 50WV	T
C253	F2A1C470A029	Electrolytic 47pF 16WV	T
C254	F1J1H472A733	Ceramic 0.0047MFD 50WV	T
C255	F1J1H472A733	Ceramic 0.0047MFD 50WV	T
C256	F1J1C105A173	Ceramic 1MFD 16WV	T

Ref. No.	Part No.	Part Name & Description	Remarks
C257	F1J1C105A173	Ceramic 1MFD 16WV	T
C261	ECA1CDT472L	Ceramic 4700PF 16WV	T
C301	F1J1C105A173	Ceramic 1MFD 16WV	T
C302	F1J1C105A173	Ceramic 1MFD 16WV	T
C303	F1J1C105A173	Ceramic 1MFD 16WV	T
C304	F1J1H104A733	Ceramic 0.1MFD 50WV	T
C305	F1K1C105A070	Ceramic 1MFD 16WV	T
C306	F2A1H2R2A407	Electrolytic 2.2pF 50WV	T
C307	F2A1C100A401	Electrolytic 10pF 16WV	T
C308	F1J1C105A173	Ceramic 1MFD 16WV	T
C309	F1J1C105A173	Ceramic 1MFD 16WV	T
C310	F1J1H104A733	Ceramic 0.1MFD 50WV	T
C311	F1J1H104A733	Ceramic 0.1MFD 50WV	T
C351	F2A1C100A401	Electrolytic 10pF 16WV	T
C353	F2A1H2R2A407	Electrolytic 2.2pF 50WV	T
C354	F1J1H472A733	Ceramic 0.0047MFD 50WV	T
C355	F1J1H472A733	Ceramic 0.0047MFD 50WV	T
C356	F1J1C105A173	Ceramic 1MFD 16WV	T
C357	F1J1C105A173	Ceramic 1MFD 16WV	T
C401	F1J1H220A732	Chip 22pF 50WV	T
C402	F1J1H220A732	Chip 22pF 50WV	T
C403	F1J1H101A732	Ceramic 100pF 50WV	T
C404	F1J1H101A732	Ceramic 100pF 50WV	T
C405	F1K1H101A153	Ceramic 100pF 50WV	T
C406	F2A0J101A409	Electrolytic 100pF 6.3WV	T
C407	F1J1H104A733	Ceramic 0.1MFD 50WV	T
C408	F3F1D105A042	Ceramic 1MFD 20WV	T
C410	F1J1H103A733	Ceramic 0.01MFD 50WV	T
C411	F1J1H104A733	Ceramic 0.1MFD 50WV	T
C412	F2A1A221A807	Electrolytic 220pF 10WV	T
C413	F1J1H103A733	Ceramic 0.01MFD 50WV	T
C501	F2A0J470A407	Electrolytic 47pF 6.3WV	T
C502	F1J1H104A733	Ceramic 0.1MFD 50WV	T
C503	F1J1H104A733	Ceramic 0.1MFD 50WV	T
C504	EEAFC0J560H	Electrolytic 56PF 6.3WV	T
C505	F1J1H104A733	Ceramic 0.1MFD 50WV	T
C521	F1J1H681A733	Ceramic 680pF 50WV	T
C531	F1J1H681A733	Ceramic 680pF 50WV	T
C601	F1J1H104A733	Ceramic 0.1MFD 50WV	T
C602	F1J1H220A732	Chip 22pF 50WV	T
C603	F1J1H220A732	Chip 22pF 50WV	T
C604	F1J1C474A173	Ceramic 0.047MFD 16WV	T
C605	F1J1H104A733	Ceramic 0.1MFD 50WV	T
C606	F2A0J331A020	Electrolytic 330pF 6.3WV	T
C607	F1J1H104A733	Ceramic 0.1MFD 50WV	T
C608	F2A0J101A409	Electrolytic 100pF 6.3WV	T
C609	F1J1H104A733	Ceramic 0.1MFD 50WV	T
C611	F1J1H104A733	Ceramic 0.1MFD 50WV	T
C612	F1J1H104A733	Ceramic 0.1MFD 50WV	T
C613	F1K1H103A116	Ceramic 0.01MFD 50WV	T
C614	F1K1H103A116	Ceramic 0.01MFD 50WV	T
C651	F1J1H104A733	Ceramic 0.1MFD 50WV	T
C652	F1J1C105A173	Ceramic 1MFD 16WV	T
C661	F1J1H104A733	Ceramic 0.1MFD 50WV	T
C662	F2A1C100A029	Electrolytic 10pF 16WV	T
C663	F1J1H104A733	Ceramic 0.1MFD 50WV	T
C701	F1J1H104A733	Ceramic 0.1MFD 50WV	T
C703	ECA1CM221B	Electrolytic 220PF 16WV	T
C704	F2A1C100A401	Electrolytic 10pF 16WV	T
C705	F1J1H104A733	Ceramic 0.1MFD 50WV	T
C706	F1J1C474A173	Ceramic 0.047MFD 16WV	T
C707	F1J1C224A173	Ceramic 0.22MFD 16WV	T
C708	F1K1C104A070	Ceramic 0.1MFD 16WV	T
C709	F2A0J101A409	Electrolytic 100pF 6.3WV	T
C751	ECA1CM102L	Electrolytic 1000PF 16WV	T
C752	F1K1C104A070	Ceramic 0.1MFD 16WV	T
C753	F1J1H104A733	Ceramic 0.1MFD 50WV	T
C754	F1J1H104A733	Ceramic 0.1MFD 50WV	T
C755	EEAFC1A820H	Electrolytic 82PF 10WV	T
C756	F1J1H104A733	Ceramic 0.1MFD 50WV	T
C757	F1J1H104A733	Ceramic 0.1MFD 50WV	T
C758	F2A1A221A807	Electrolytic 220pF 10WV	T
C759	F1J1H104A733	Ceramic 0.1MFD 50WV	T

Ref. No.	Part No.	Part Name & Description	Remarks
C781	ECA1CM102L	Electrolytic 1000PF 16WV	T
DISPLAY BLOCK [E-4C299]			
C901	F1J1H681A733	Ceramic 680pF 50WV	T
C902	F1J1H104A733	Ceramic 0.1MFD 50WV	T
C903	F1J1H104A733	Ceramic 0.1MFD 50WV	T
C904	F1J0J106A038	Ceramic 10MFD 6.3WV	T
4. Resistors			
MAIN BLOCK [E-4C298]			
J101	D0GDR00JA017	Chip 0 ohms 1/10W	T
J102	D0GDR00JA017	Chip 0 ohms 1/10W	T
J103	D0GDR00JA017	Chip 0 ohms 1/10W	T
J104	D0GDR00JA017	Chip 0 ohms 1/10W	T
J105	D0GDR00JA017	Chip 0 ohms 1/10W	T
J106	D0GDR00JA017	Chip 0 ohms 1/10W	T
J107	D0GDR00JA017	Chip 0 ohms 1/10W	T
J201	D0YFR00J0001	Chip 0 ohms 1/8W	T
J202	D0YFR00J0001	Chip 0 ohms 1/8W	T
J203	D0YFR00J0001	Chip 0 ohms 1/8W	T
J204	D0YFR00J0001	Chip 0 ohms 1/8W	T
J205	D0YFR00J0001	Chip 0 ohms 1/8W	T
J206	D0YFR00J0001	Chip 0 ohms 1/8W	T
J207	D0YFR00J0001	Chip 0 ohms 1/8W	T
J208	D0YFR00J0001	Chip 0 ohms 1/8W	T
J209	D0YFR00J0001	Chip 0 ohms 1/8W	T
J210	D0YFR00J0001	Chip 0 ohms 1/8W	T
J211	D0YFR00J0001	Chip 0 ohms 1/8W	T
J212	D0YFR00J0001	Chip 0 ohms 1/8W	T
J213	D0YFR00J0001	Chip 0 ohms 1/8W	T
J214	D0YFR00J0001	Chip 0 ohms 1/8W	T
J215	D0YFR00J0001	Chip 0 ohms 1/8W	T
J216	D0YFR00J0001	Chip 0 ohms 1/8W	T
J217	D0YFR00J0001	Chip 0 ohms 1/8W	T
J218	D0YFR00J0001	Chip 0 ohms 1/8W	T
J219	D0YFR00J0001	Chip 0 ohms 1/8W	T
J220	D0YFR00J0001	Chip 0 ohms 1/8W	T
J221	D0YFR00J0001	Chip 0 ohms 1/8W	T
J222	D0YFR00J0001	Chip 0 ohms 1/8W	T
J223	D0YFR00J0001	Chip 0 ohms 1/8W	T
J224	D0YFR00J0001	Chip 0 ohms 1/8W	T
J225	D0YFR00J0001	Chip 0 ohms 1/8W	T
J226	D0YFR00J0001	Chip 0 ohms 1/8W	T
J227	D0YFR00J0001	Chip 0 ohms 1/8W	T
J228	D0YFR00J0001	Chip 0 ohms 1/8W	T
J229	D0YFR00J0001	Chip 0 ohms 1/8W	T
J230	D0YFR00J0001	Chip 0 ohms 1/8W	T
J231	D0YFR00J0001	Chip 0 ohms 1/8W	T
J232	D0YFR00J0001	Chip 0 ohms 1/8W	T
R51	D0GD5R6JA052	Chip 5.6 ohms 1/10W	T
R52	D0GF332JA017	Chip 3.3k ohms 1/8W	T
R53	D0GF272JA017	Chip 2.7k ohms 1/8W	T
R54	D0GD331JA017	Chip 330 ohms 1/10W	T
R55	D0GD183JA017	Chip 18k ohms 1/10W	T
R56	D0GD183JA017	Chip 18k ohms 1/10W	T
R57	D0GD822JA017	Chip 8.2k ohms 1/10W	T
R58	D0GD333JA017	Chip 33k ohms 1/10W	T
R59	D0GD393JA017	Chip 39k ohms 1/10W	T
R61	D0GD222JA017	Chip 2.2k ohms 1/10W	T
R101	D0GD332JA017	Chip 3.3k ohms 1/10W	T
R102	D0GF332JA017	Chip 3.3k ohms 1/8W	T
R103	D0GD102JA017	Chip 1k ohms 1/10W	T
R104	D0GDR00JA017	Chip 0 ohms 1/10W	T
R105	D0GD563JA017	Chip 56k ohms 1/10w	T
R106	D0GF272JA017	Chip 2.7k ohms 1/8W	T
R201	D0GD102JA017	Chip 1k ohms 1/10W	T
R251	D0GD561JA017	Chip 560 ohms 1/10w	T
R252	D0GD561JA017	Chip 560 ohms 1/10w	T
R271	D0GD472JA017	Chip 4.7k ohms 1/10W	T
R272	D0GD123JA017	Chip 12k ohms 1/10W	T
R281	D0GD472JA017	Chip 4.7k ohms 1/10W	T

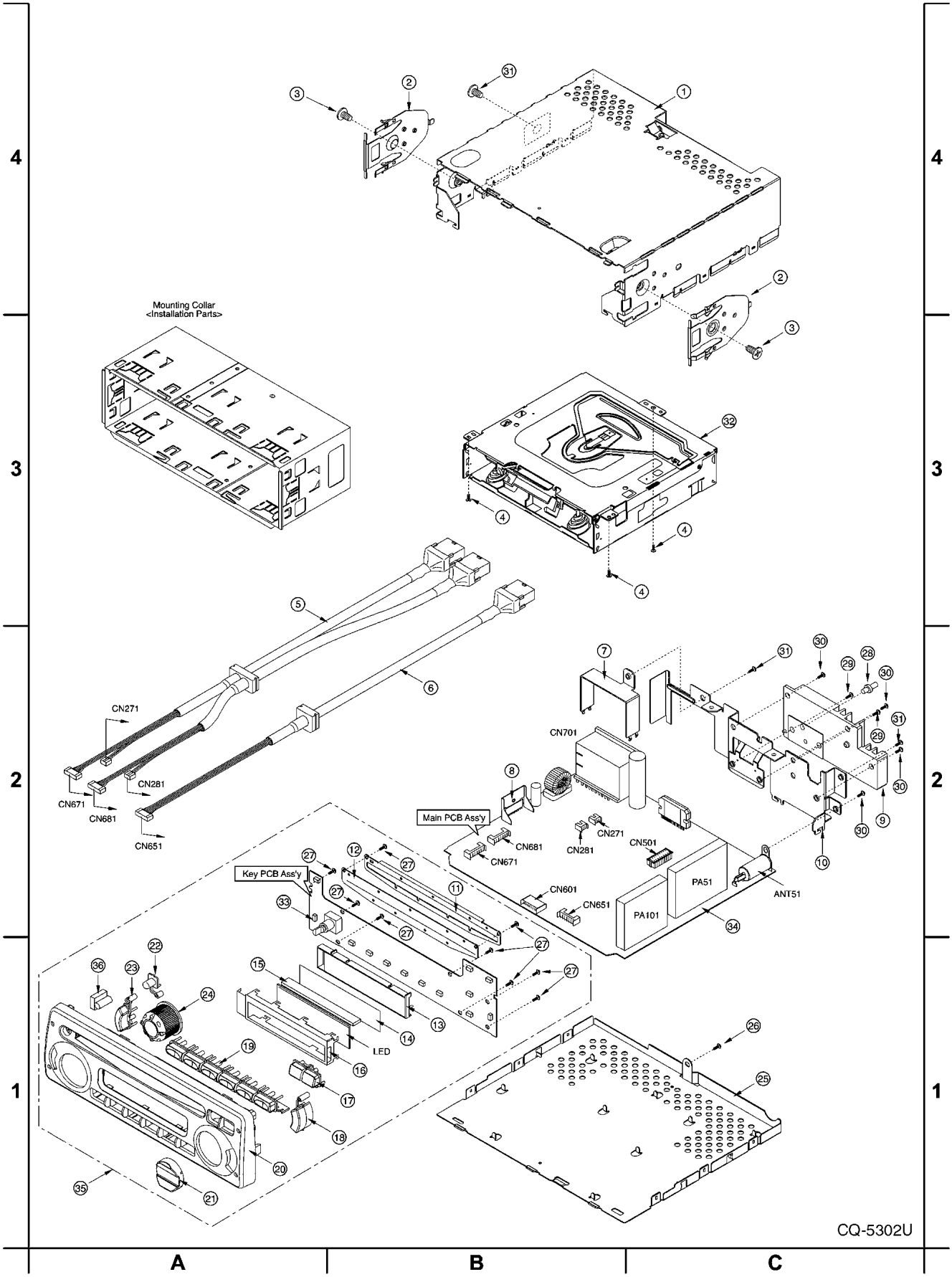
Ref. No.	Part No.	Part Name & Description	Remarks
R282	D0GD123JA017	Chip 12k ohms 1/10W	T
R301	D0GD102JA017	Chip 1k ohms 1/10W	T
R351	D0GD561JA017	Chip 560 ohms 1/10w	T
R352	D0GD561JA017	Chip 560 ohms 1/10w	T
R371	D0GD472JA017	Chip 4.7k ohms 1/10W	T
R372	D0GD123JA017	Chip 12k ohms 1/10W	T
R381	D0GD472JA017	Chip 4.7k ohms 1/10W	T
R382	D0GD123JA017	Chip 12k ohms 1/10W	T
R401	D0GD102JA017	Chip 1k ohms 1/10W	T
R402	D0GD472JA017	Chip 4.7k ohms 1/10W	T
R403	D0GD473JA017	Chip 47k ohms 1/10W	T
R405	D0GD473JA017	Chip 47k ohms 1/10W	T
R406	D0GD152JA017	Chip 1.5k ohms 1/10W	T
R407	D0GD152JA017	Chip 1.5k ohms 1/10W	T
R408	D0GD152JA017	Chip 1.5k ohms 1/10W	T
R409	D0GD100JA017	Chip 10 ohms 1/10W	T
R501	D0GD392JA017	Chip 3.9k ohms 1/8W	T
R502	D0GF392JA017	Chip 39k ohms 1/8W	T
R503	D0GD392JA017	Chip 3.9k ohms 1/8W	T
R504	D0GF392JA017	Chip 39k ohms 1/8W	T
R505	D0GF102JA014	Chip 1k ohms 1/8W	T
R521	D0GD222JA017	Chip 2.2k ohms 1/10W	T
R522	D0GD273JA017	Chip 27k ohms 1/10W	T
R531	D0GD222JA017	Chip 2.2k ohms 1/10W	T
R532	D0GD273JA017	Chip 27k ohms 1/10W	T
R600	D0GD102JA017	Chip 1k ohms 1/10W	T
R601	D0GD564JA017	Chip 560k ohms 1/8W	T
R602	D0GD103JA017	Chip 10k ohms 1/10W	T
R603	D0GD102JA017	Chip 1k ohms 1/10W	T
R604	D0GD102JA017	Chip 1k ohms 1/10W	T
R605	D0GD473JA017	Chip 47k ohms 1/10W	T
R606	D0GD471JA017	Chip 470 ohms 1/10W	T
R607	D0GD102JA017	Chip 1k ohms 1/10W	T
R608	D0GF102JA014	Chip 1k ohms 1/8W	T
R609	D0GF562JA017	Chip 5.6k ohms 1/8W	T
R610	D0GF102JA014	Chip 1k ohms 1/8W	T
R611	D0GD102JA017	Chip 1k ohms 1/10W	T
R612	D0GD102JA017	Chip 1k ohms 1/10W	T
R613	D0GD102JA017	Chip 1k ohms 1/10W	T
R614	D0GD102JA017	Chip 1k ohms 1/10W	T
R615	D0GD473JA017	Chip 47k ohms 1/10W	T
R616	D0GD473JA017	Chip 47k ohms 1/10W	T
R617	D0GD102JA017	Chip 1k ohms 1/10W	T
R618	D0GD102JA017	Chip 1k ohms 1/10W	T
R619	D0GD103JA017	Chip 10k ohms 1/10W	T
R620	D0GD102JA017	Chip 1k ohms 1/10W	T
R621	D0GD222JA017	Chip 2.2k ohms 1/10W	T
R622	D0GD222JA017	Chip 2.2k ohms 1/10W	T
R623	D0GD222JA017	Chip 2.2k ohms 1/10W	T
R624	D0GD222JA017	Chip 2.2k ohms 1/10W	T
R625	D0GD104JA017	Chip 100k ohms 1/10W	T
R626	D0GD561JA017	Chip 560 ohms 1/10w	T
R627	D0GD561JA017	Chip 560 ohms 1/10w	T
R628	D0GD561JA017	Chip 560 ohms 1/10w	T
R629	D0GD561JA017	Chip 560 ohms 1/10w	T
R630	D0GF102JA014	Chip 1k ohms 1/8W	T
R631	D0GF102JA014	Chip 1k ohms 1/8W	T
R632	D0GF102JA014	Chip 1k ohms 1/8W	T
R633	D0GD102JA017	Chip 1k ohms 1/10W	T
R634	D0GD102JA017	Chip 1k ohms 1/10W	T
R635	D0GD102JA017	Chip 1k ohms 1/10W	T
R636	D0GD102JA017	Chip 1k ohms 1/10W	T
R637	D0GD473JA017	Chip 47k ohms 1/10W	T
R638	D0GD473JA017	Chip 47k ohms 1/10W	T
R641	D0GD103JA017	Chip 10k ohms 1/10W	T
R642	D0GD103JA017	Chip 10k ohms 1/10W	T
R644	D0GD101JA017	Chip 100 ohms 1/10W	T
R645	D0GD101JA017	Chip 100 ohms 1/10W	T
R646	D0GF101JA014	Chip 100 ohms 1/8W	T
R647	D0GD101JA017	Chip 100 ohms 1/10W	T
R651	D0GF102JA014	Chip 1k ohms 1/8W	T
R652	D0GF102JA014	Chip 1k ohms 1/8W	T
R653	D0GF220JA017	Chip 22 ohms 1/8W	T
R654	D0GD102JA017	Chip 1k ohms 1/10W	T
R655	D0GD102JA017	Chip 1k ohms 1/10W	T
R656	D0GD222JA017	Chip 2.2k ohms 1/10W	T
R657	D0GDR00JA017	Chip 0 ohms 1/10W	T
R661	D0GF102JA014	Chip 1k ohms 1/8W	T
R662	D0GF102JA014	Chip 1k ohms 1/8W	T
R663	D0GF102JA014	Chip 1k ohms 1/8W	T
R664	D0GF102JA014	Chip 1k ohms 1/8W	T
R665	D0GF104JA014	Chip 100k ohms 1/8W	T
R666	D0GD104JA017	Chip 100k ohms 1/10W	T
R667	D0GD104JA017	Chip 100k ohms 1/10W	T
R668	D0GD104JA017	Chip 100k ohms 1/10W	T
R669	D0GD103JA017	Chip 10k ohms 1/10W	T
R670	D0GD561JA017	Chip 560 ohms 1/10w	T
R671	D0GD561JA017	Chip 560 ohms 1/10w	T
R672	D0GD561JA017	Chip 560 ohms 1/10w	T
R673	D0GD561JA017	Chip 560 ohms 1/10w	T
R674	D0GDR00JA017	Chip 0 ohms 1/10W	T
R675	D0YFR00J0001	Chip 0 ohms 1/8W	T
R681	D0GD561JA017	Chip 560 ohms 1/10w	T
R682	D0GD561JA017	Chip 560 ohms 1/10w	T
R683	D0GD102JA017	Chip 1k ohms 1/10W	T
R684	D0GD103JA017	Chip 10k ohms 1/10W	T
R685	D0GDR00JA017	Chip 0 ohms 1/10W	T
R686	D0GDR00JA017	Chip 0 ohms 1/10W	T
R701	D0GF103JA014	Chip 10k ohms 1/8W	T
R703	D0GD513JA017	Chip 51k ohms 1/10W	T
R704	D0GF100JA014	Chip 10 ohms 1/8W	T
R705	D0GD682JA017	Chip 6.8k ohms 1/10W	T
R706	D0GD274JA017	Chip 270k ohms 1/10W	T
R707	D0GD393JA017	Chip 39k ohms 1/10W	T
R708	D0GF333JA017	Chip 33k ohms 1/8W	T
R709	D0GD303JA017	Chip 30k ohms 1/10W	T
R752	D0GD473JA017	Chip 47k ohms 1/10W	T
R753	D0GD332JA017	Chip 3.3k ohms 1/10W	T
R754	D0GD153JA017	Chip 15k ohms 1/10W	T
DISPLAY BLOCK [E-4C299]			
R901	D0GD102JA017	Chip 1k ohms 1/10W	T
R902	D0GD102JA017	Chip 1k ohms 1/10W	T
R903	D0GD102JA017	Chip 1k ohms 1/10W	T
R904	D0GD561JA017	Chip 560 ohms 1/10w	T
R905	D0GD222JA017	Chip 2.2k ohms 1/10W	T
R906	D0GD623JA052	Chip 62k ohms 1/10W	T
R907	D0GD4R7JA056	Chip 4.7 ohms 1/10W	T
R908	D0GD4R7JA056	Chip 4.7 ohms 1/10W	T
R911	D0GD271JA017	Chip 270 ohms 1/10W	T
R912	D0GD151JA017	Chip 150 ohms 1/10W	T
R913	D0GD151JA017	Chip 150 ohms 1/10W	T
R914	D0GD241JA017	Chip 240 ohms 1/10W	T
R915	D0GD331JA017	Chip 330 ohms 1/10W	T
R916	D0GD561JA017	Chip 560 ohms 1/10w	T
R951	D0GD561JA017	Chip 560 ohms 1/10w	T
5. Connectors			
MAIN BLOCK [E-4C298]			
CN271	K1KY03BA0072	Connector	T
CN281	K1KY04BA0072	Connector	T
CN501	K1KA18A00074	Connector	T
CN601	K1KA10B00185	Connector	T
CN602	K1KA10B00185	Connector	T
CN651	K1KY08BA0072	Connector	T
CN671	K1KY07BA0072	Connector	T
CN681	K1KY08BA0072	Connector	T
CN701	K1FY118B0001	Connector	T
CP271	YEAE5302U-1	Connector	T
CP651	YEAE5302U-3	Connector	T
DISPLAY BLOCK [E-4C299]			
CN901	K1KB10A00006	Connector(10 PIN)	T

Ref. No.	Part No.	Part Name & Description	Remarks
6. Electric Parts			
SWITCHES			
SW901	K0H1BA000445	Tack Swich	T
SW902	K0H1BA000445	Tack Swich	T
SW903	K0H1BA000445	Tack Swich	T
SW904	K0H1BA000445	Tack Swich	T
SW905	K0H1BA000445	Tack Swich	T
SW906	K0H1BA000445	Tack Swich	T
SW907	K0H1BA000445	Tack Swich	T
SW908	K0H1BA000445	Tack Swich	T
SW909	K0H1BA000445	Tack Swich	T
SW910	K0H1BA000445	Tack Swich	T
SW911	K0H1BA000445	Tack Swich	T
SW912	K0H1BA000445	Tack Swich	T
SW913	K0H1BA000445	Tack Swich	T
VR			
VR901	K9AA024A0014	Encoder	T
COILS			
L51	G0C150JA0044	Axil Coil	T
L52	G1CR56JA0036	Coil	T
L401	G0C101KA0029	Axil Coil	T
L701	G0C221M00002	Choke Coil	T
SURGE PROTECTOR			
Z51	J0LY00000010	Surge Protector	T
CRYSTAL			
XL401	H0A720000001	Crystal	T
XL602	H2A200500007	Crystal	T
XL601	YEXL4C32768T	Crystal (32.768KHz)	T
LCD			
LCD901	YEXDCM4C137	LCD Bracket	T
7. Accessories			
PRINT			
	YFM284C543CA	Operating Instructions	T
INSTALLATION PARTS			
	FX0214C079YA	Mounting Collar	T
	FP-164-J	Bolt Kit	T
	YFG044C002ZA	Rear Support Strap	T
	YEFX9994C007	Removal Tool	T
	YAA094C019ZA	Antenna Connector	T
8. Mechanical Parts			
MISCELLANEOUS			
ANT51	K2JYYA000001	Ant Jack	T
T2	YEAT034C011	Terminal	T
T3	YEAT034C011	Terminal	T
T4	YEAT034C011	Terminal	T
T5	YEAT034C011	Terminal	T
1	YFA034C055CA	Upper Cover	T
2	FX0054C030ZA	Spring Plate	T
3	XSS5+6FN	Screw	T
4	XTB26+5FFN	Screw	T
5	YEAE5302U-1	Connector	T
6	YEAE5302U-3	Connector	T
7	YFX214C410CA	Power Bracket	T
8	YFX214C357ZA	TR Bracket	T
9	YFF014C058CA	Heat Sink	T
10	YFA084C066CA	Rear Plate	T

Ref. No.	Part No.	Part Name & Description	Remarks
11	FX0214C209YA	Fix Plate	T
12	YFS014C030ZA	Dust Sheet	T
13	YFX014C090CA	Back Light Assy	T
14	YFV024C108CA	Sheet	T
15	YFS014C110CA	Rubber Gum	T
16	FX0214C350XA	LCD Bracket	T
17	YFE134C516CA	Buttom (BAND/SRC)	T
18	YFE134C503CB	Buttom (DISP)	T
19	YFE134C504CA	Buttom (PRESET)	T
20	YFC034C016CA	ESC Printing	T
21	YFE134C327ZB	Buttom (SEEK/TUNE)	T
22	YFE134C517CA	Buttom (EJECT)	T
23	YFE134C502CB	Buttom (MUTE)	T
24	YFE074C067CA	VOL Knob Ass'y	T
25	YFA054C046CA	Under Cover	T
26	XSB3+6FN	Screw	T
27	XTB2+6GFN	Screw	T
28	YEJV014C002N	Bolt	T
29	YEJT034C019N	Screw(CUP TIGHT 3X12)	T
30	XTB3+6FFZ	Screw	T
31	YJT034C706FN	Screw	T
32	YGFD044C001	CD Deck	T
33	APCB299A0-J	Key PCB Ass'y	T/RTL
34	AAPB298A0-J	Main PCB Ass'y	T/RTL
35	ESC5302U-J	ESC Ass'y	T/RTL
36	YFX014C092CA	Panel Light(CD)	T

13 EXPLODED VIEW (Unit)

■ Numbers in ○ are indicated REF.No.in the REPLACEMENT PARTS LIST



14 CD PLAYER MECHANICAL PARTS LIST

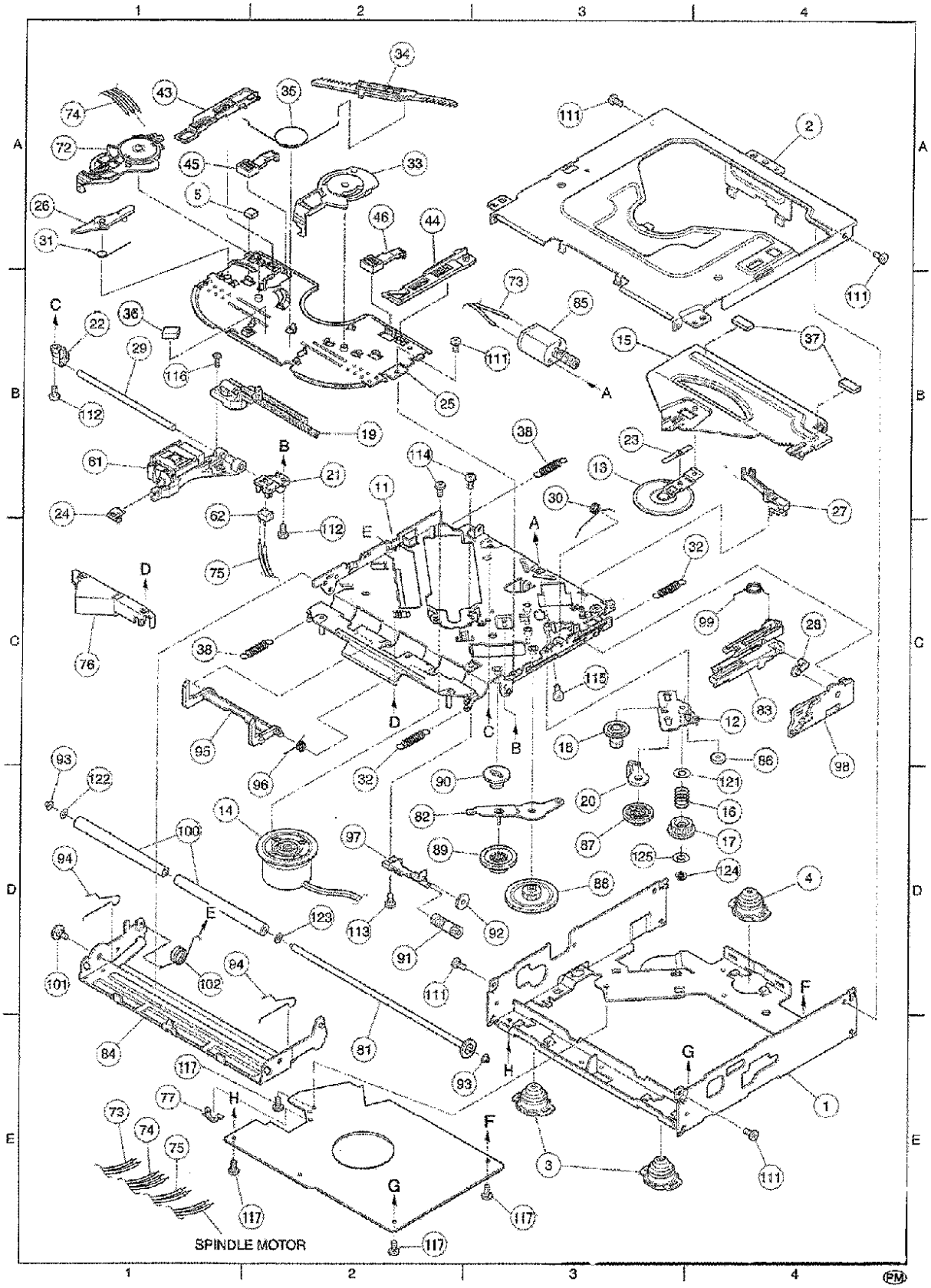
Note:

1. Be sure to make your orders of replacement parts according to this list.
2. Important safty notice: Component , indentified by ⚠ mark have special characteristics important for safety. when replacing any of these components, use only manufacturer's specified parts.
3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing. as in a load map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. Aft the end of this period, the assembly will no longer be available.
5. "T" marks in remarks colum are indicated supply parts of TAMACO.

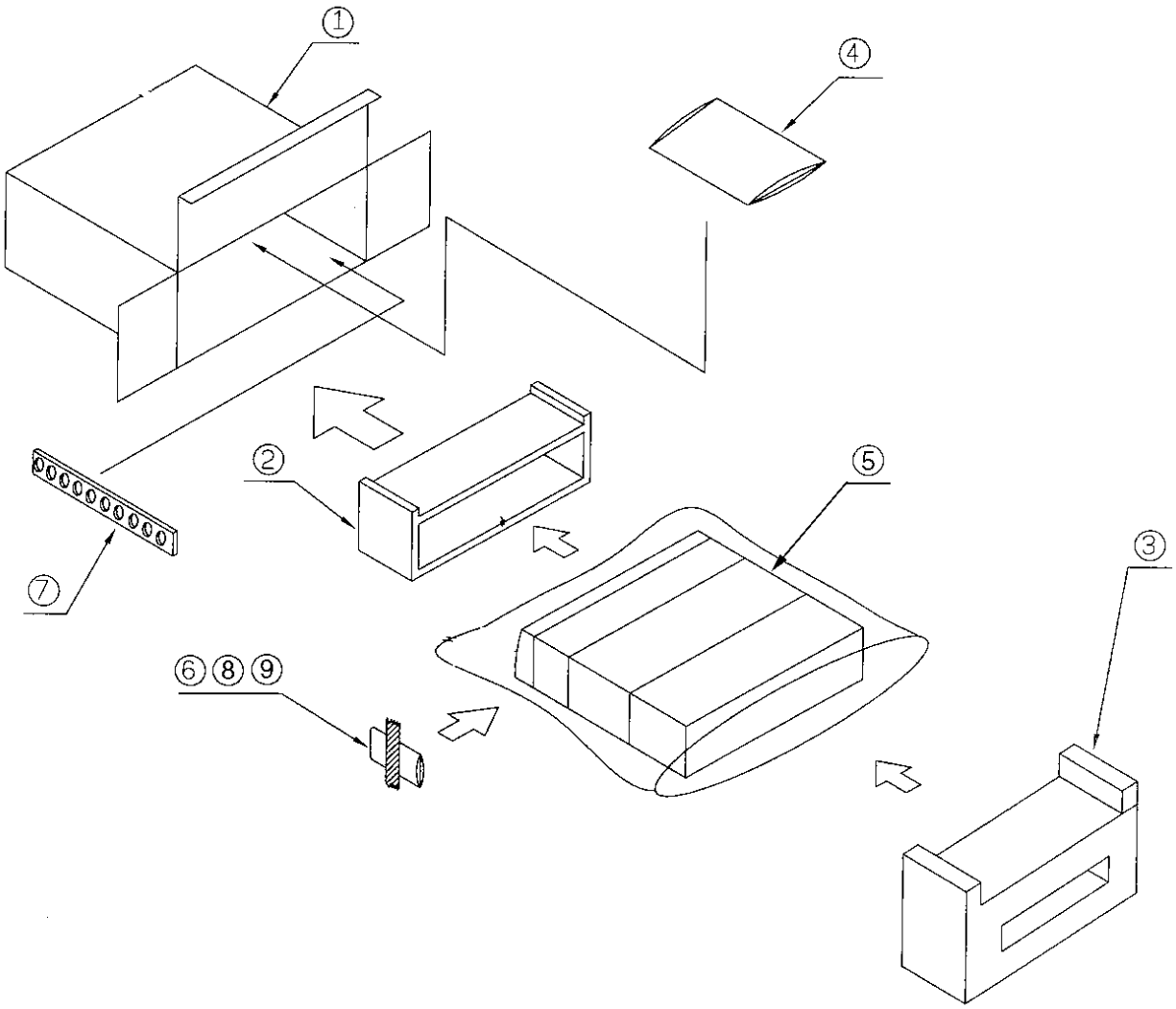
- Order intake period is basically six months after the first shipment
- For this model,only the below major parts are supplied indiviudally and the rest are supplied as adeck machanism assembly.

Ref. No.	Part No.	Part Name & Description	Remarks
1	3032 01 50	FRAME (RV)	N(E-4)
2	3032 0142	TOP COVER (V2)	N(A-4)
3	3032 01 23	DAMPER F	N(E-3)
4	3032 01 24	DAMPER R	N(D-4)
11	3032 05 505	CHASSIS RIVET ASS'Y(V)	N(B-2)
12	3032 05 503	CHASSIS PLTAE RIVET ASS'Y(V)	N(C-4)
13	3032 05 301	CLAMPER ASS'Y	N(B-3)
14	3032 05 306	SPINDLE MOTOR ASS'Y	T(D-1)
15	3032 05 02	CLAMPER ARM	N(B-4)
16	3032 05 03	CHANGE GEAR SPRING	N(D-4)
17	3032 05 05	CHANGE GEAR 2	N(D-4)
18	3032 05 06	FEED GEAR	N(C-3)
19	3032 05 07	FEED RACK M	N(B-2)
20	3032 05 09	CHANGE LOCK LEVER	N(D-3)
21	3032 05 10	FEED SW HOLDER	N(B-2)
22	3032 05 11	PU SHAFT HOLDER	N(B-1)
23	3032 05 13	CLAMPER SUB SPRING	N(B-3)
24	3032 05 14	FD SUB HOLDER	N(B-1)
25	3032 05 44	TOP PLATE D	N(B-2)
26	3032 05 19	SELECT LOCK ARM	N(A-1)
27	3032 05 20	TRIGGER ARM	N(B-4)
28	3032 05 21	SLIDE HOOK	N(C-1)
29	3032 05 22	PU SHAFT	N(B-1)
30	3032 05 25	CLAMPER ARM SPRING	N(B-3)
31	3032 05 26	SELECT LOCK ARM SPRING	N(A-1)
			N(C-1);
32	3032 05 38	SUSPENSION SPRING R (V)	N(C-4);
			N(D-2)
33	3032 05 29	SELECT ARM R (M2)	N(A-2)
34	3032 05 30	LINK PLATE	N(A-2)
35	3032 05 36	LINK PLATE SPRING S	N(A-1)
36	3032 05 23	CUSHION F	N(B-1)
37	3032 05 24	CUSHION R	N(B-4)
38	3032 05 39	FEED SPR PLATE (V)	N(B-3);
			N(C-1)
43	3032 08 03	SELECT PLATE L	N(A-1)
44	3032 08 04	SELECT PLATE R	N(A-2)
45	3032 08 05	SELECT PIECE L	N(A-1)
46	3032 08 06	SELECT PIECE R	N(A-2)
61	6901 16 27	PICK UP RD-DAP005-TN	T(B-1)
62	6418 04 06	DET SW ESE 22MH55	N(B-1)
71	3032 14 330	SERVO PWB UNIT	N(E-2)
72	3032 10 03	MODE SW	T(A-1)
73	3032 10 03	LOADING MOTOR WIRE	N(B-3);
			N(E-1)
74	3032 10 05	MODE SW WIRE	N(A-1);
			N(E-1)
75	3032 10 09	SL WIRE	N(C-1)
			N(E-1)
76	3033 10 11	WIRE HOLDER	N(C-1)
77	1950 14 03	WIRE CLAMPER	N(E-2);
81	3032 11 301	ROLLER SHAFT ASS'Y	N(E-2)
82	3032 11 501	LOADING GEAR PLATE RIVET ASS'Y	N(D-2)
83	3032 11 302	LOADING PLATE ASS'Y	N(C-4)
84	3032 11 506	LOCK ARM RIVET ASS'Y (RV)	N(E-1)
85	3032 11 311	LOADING / FEED MOTOR ASS'Y (MB)	T(B-3)
86	3032 11 01	LOADING GEAR 1	N(C-4)
87	3032 11 02	LOADING GEAR 2	N(D-3)
88	3032 11 03	LOADING GEAR 3	N(D-3)
89	3032 11 04	LOADING GEAR 4	N(D-2)
90	3032 11 05	LOADING GEAR 5	N(D-2)
91	3032 11 06	LOADING GEAR 6	N(D-2)
92	3032 11 07	LOADING GEAR 7	N(D-3)
93	3032 11 49	ROLLER GUIDE(N)	N(D-1);
			N(E-3)
94	3032 11 14	ROLLER GUIDE SPRING	N(D-1)
95	3032 11 53	DISC STOPPER ARM(N)	N(C-1)
96	3032 11 17	DISC STOP ARM SPRING	N(D-2)
97	3032 11 18	LD GEAR BRACKET	N(D-2)
98	3032 11 25	L SLIDE PLATE	N(D-4)
99	3032 11 31	LOADING PLATE SPRING	N(C-4)
100	3032 11 37	LDG ROLLER (N)	N(D-1)
101	3032 11 43	COLLAR SCREW	N(D-1)
102	3032 11 47	LOCK ARM SPR (V)	N(D-1)
111	9P04 20 031	TAPPING SCREW 2X3	N(A-3);
			N(B-2);
			N(B-4);
			N(D-2);
			N(E-4)
112	9P04 20 041	TAPPING SCREW 2X4	N(B-1);
			N(C-2)
113	9B03 20 041	TAPPING BIND SCREW 2X4	N(D-2)
114	9C01 17 183	CAMERA SCREW 1.7X1.8	N(B-2)
115	9C01 20 203	CAMERA SCREW 2X2	N(C-3)
116	9C45 17 503	CAMERA TAPPING SCREW P3 M1.7X5	N(B-1)
117	9C23 20 401	STN SERRATION 2X4	N(E-1);
			N(E-2);
			N(E-3)
121	9W01 30 170	PW 3.5X8X0.3	N(D-4)
122	9W05 13 060	HLW 1.85X5X0.13	N(D-1)
123	9W07 10 070	LUMILAR WASHER 3.1X6X0.1	N(D-2)
124	9E01 00 152	E RING S 1.5	N(D-4)
125	9W01 13 020	PW 2.1X4X0.13	N(D-3)

15 EXPLODED VIEW (CD Deck)



16 PACKING PARTS LIST

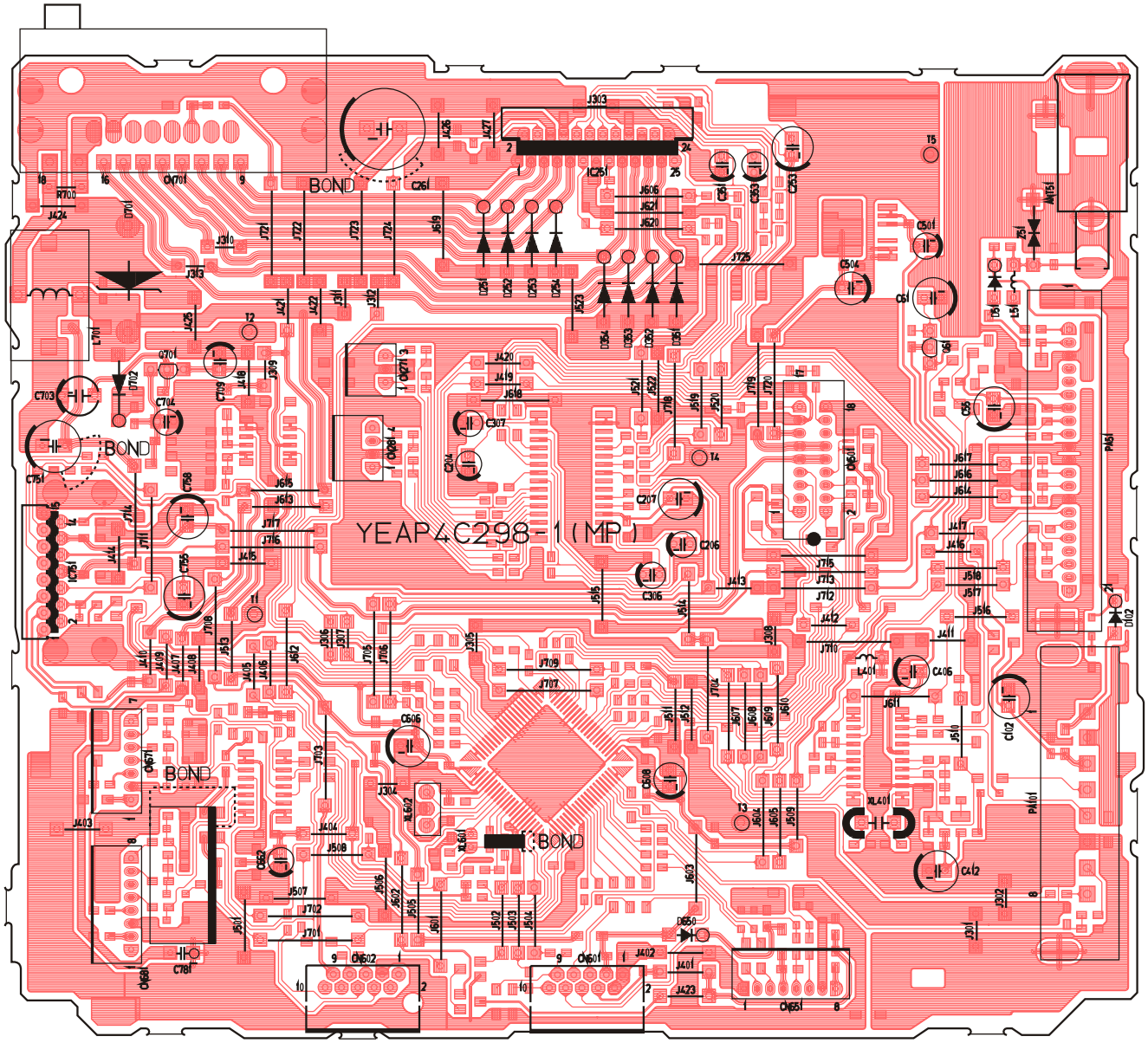


.Item numbers listed below should not order reguler spare parts. (not available)

Item No.	Part No.	Part Name & Description	Q'ty	Remarks
1	---	Inner Carton	1	Not available
2	---	Packing Pad Front	1	Not available
3	---	Packing Pad Rear	1	Not available
4	YFM284C543CA	Operating Instructions	(1)	
	---	W/B List	(1)	Not available
	---	SVC Card	(1)	Not available
5	FX0214C079YA	Mounting Collar	1	
6	FP-164-J	Bolt Kit	1	
7	YFG044C002ZA	Rear Support Strap	1	
8	YEFX9994C007	Removal Tool	1	
9	YAA094C019ZA	Antenna Connector	1	

17 WIRING DIAGRAM

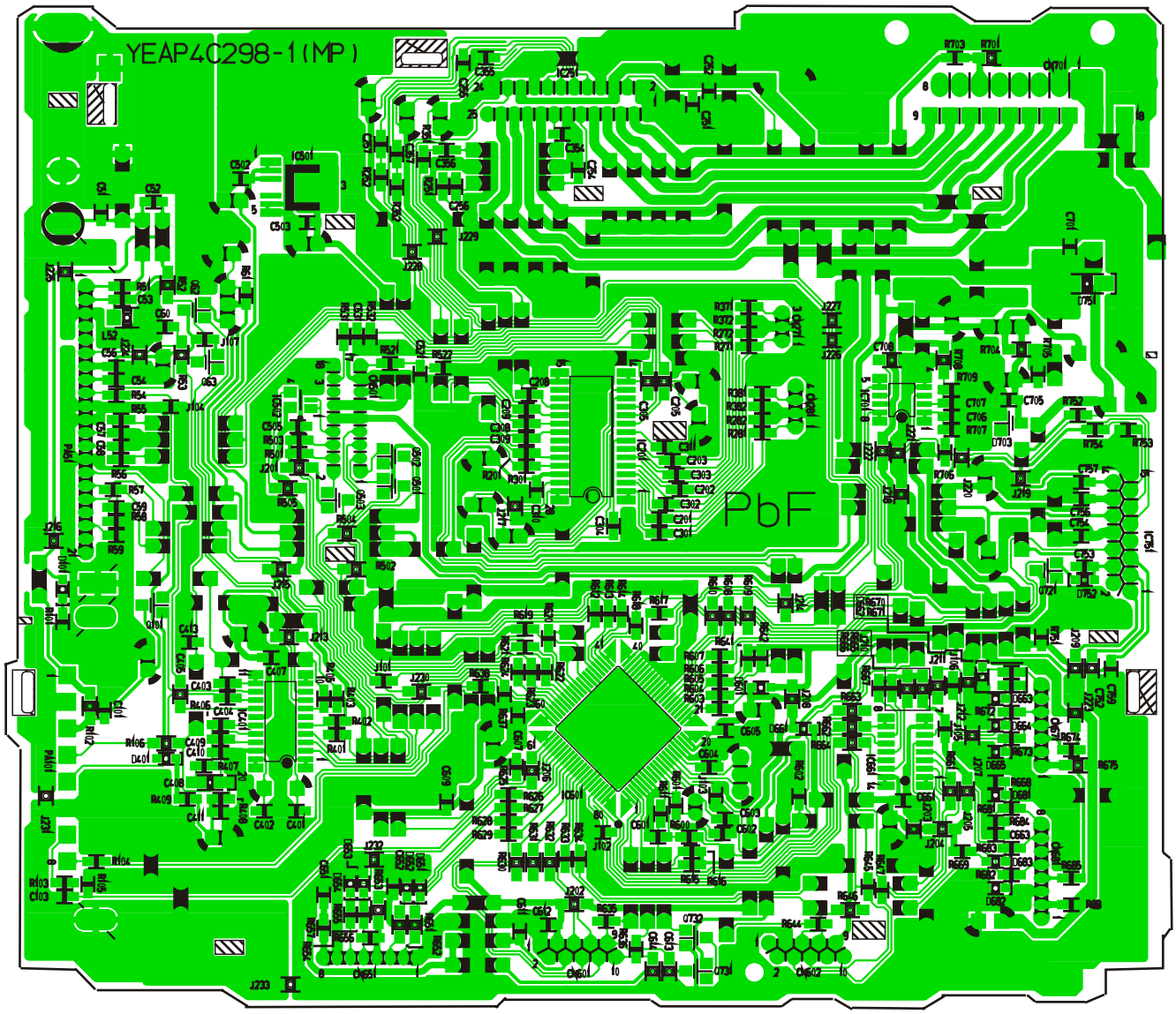
17.1. Main Block-1



[E-4C298][TOP VIEW]

CQ-5302U Main PCB

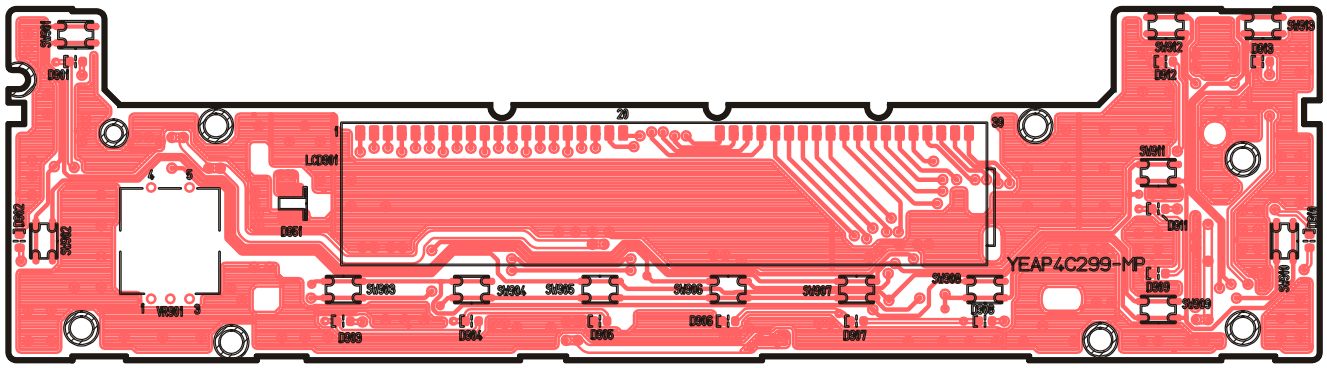
17.2. Main Block-2



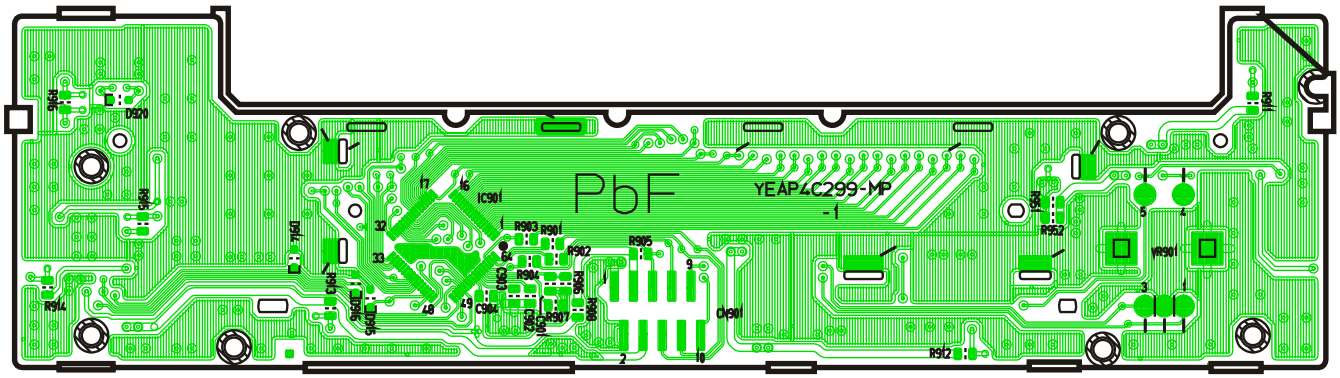
[E-4C298][BOTTOM VIEW]

CQ-5302U Main PCB

17.3. Display Block



[E-4C299][TOP VIEW]

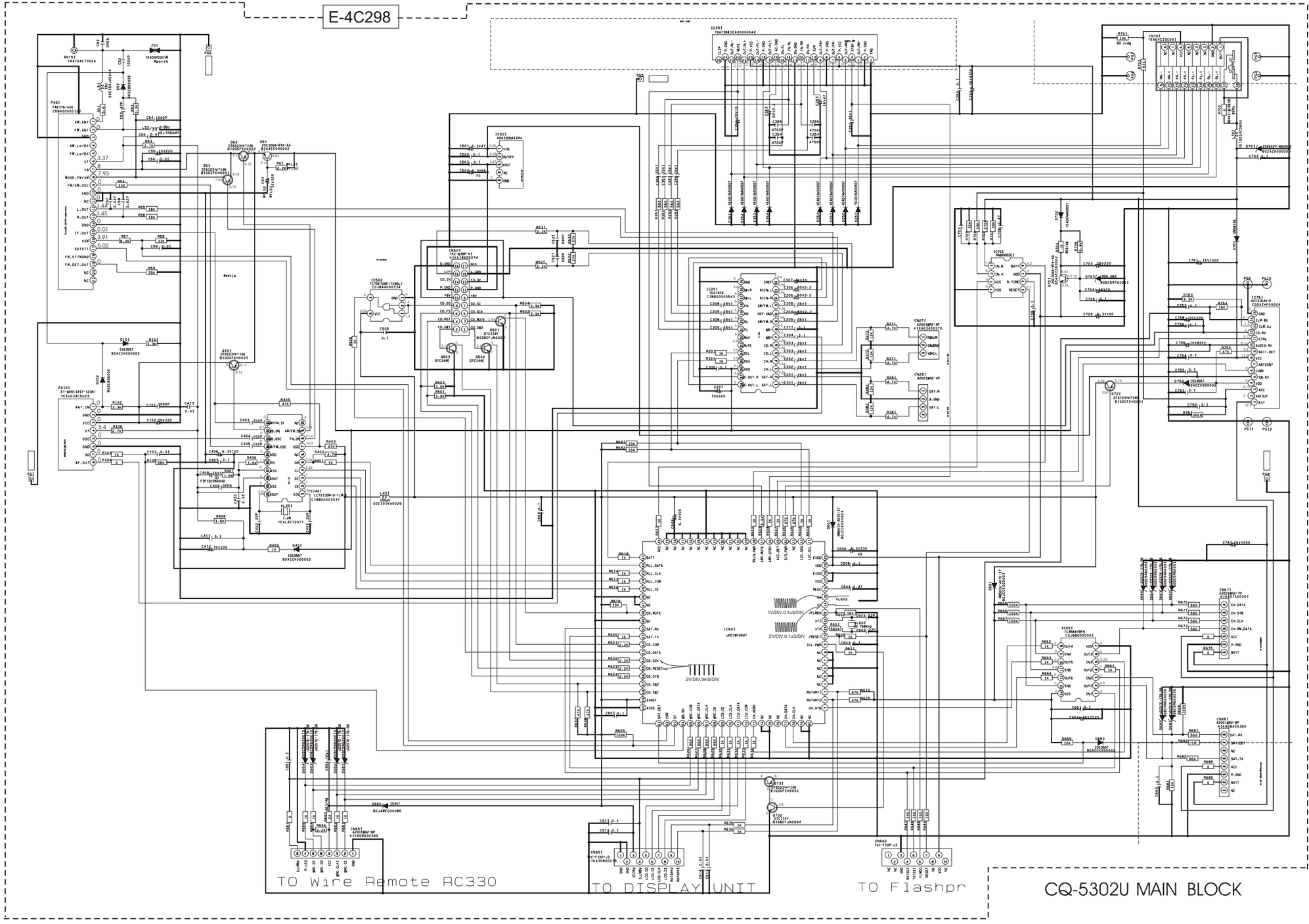


[E-4C299][BOTTOM VIEW]

CQ-5302U DISPLAY PCB

18 SCHEMATIC DIAGRAM-1

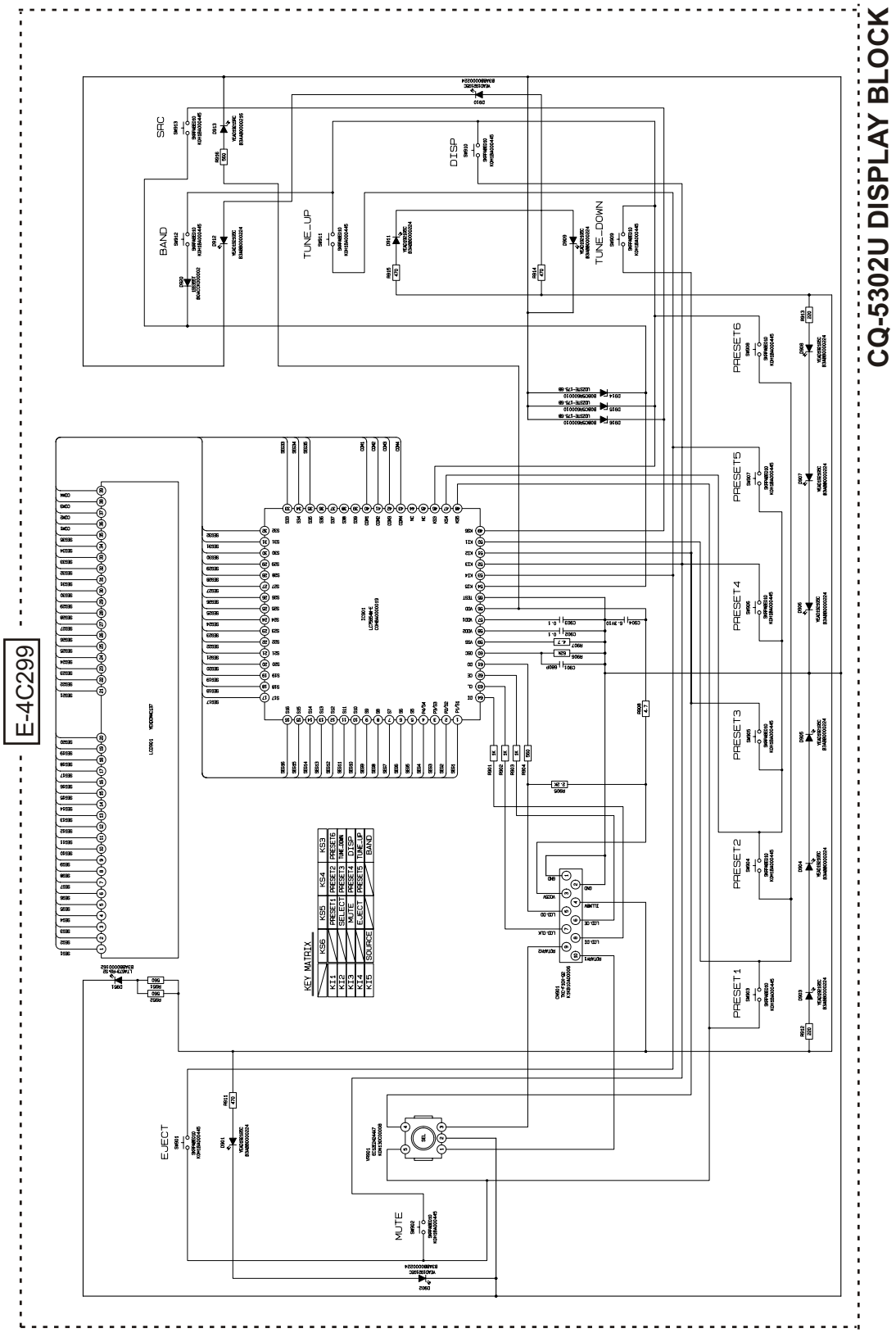
18.1. Main Block



THIS PAGE IS JUST FOR THE PAGE LAYOUT USE ONLY.

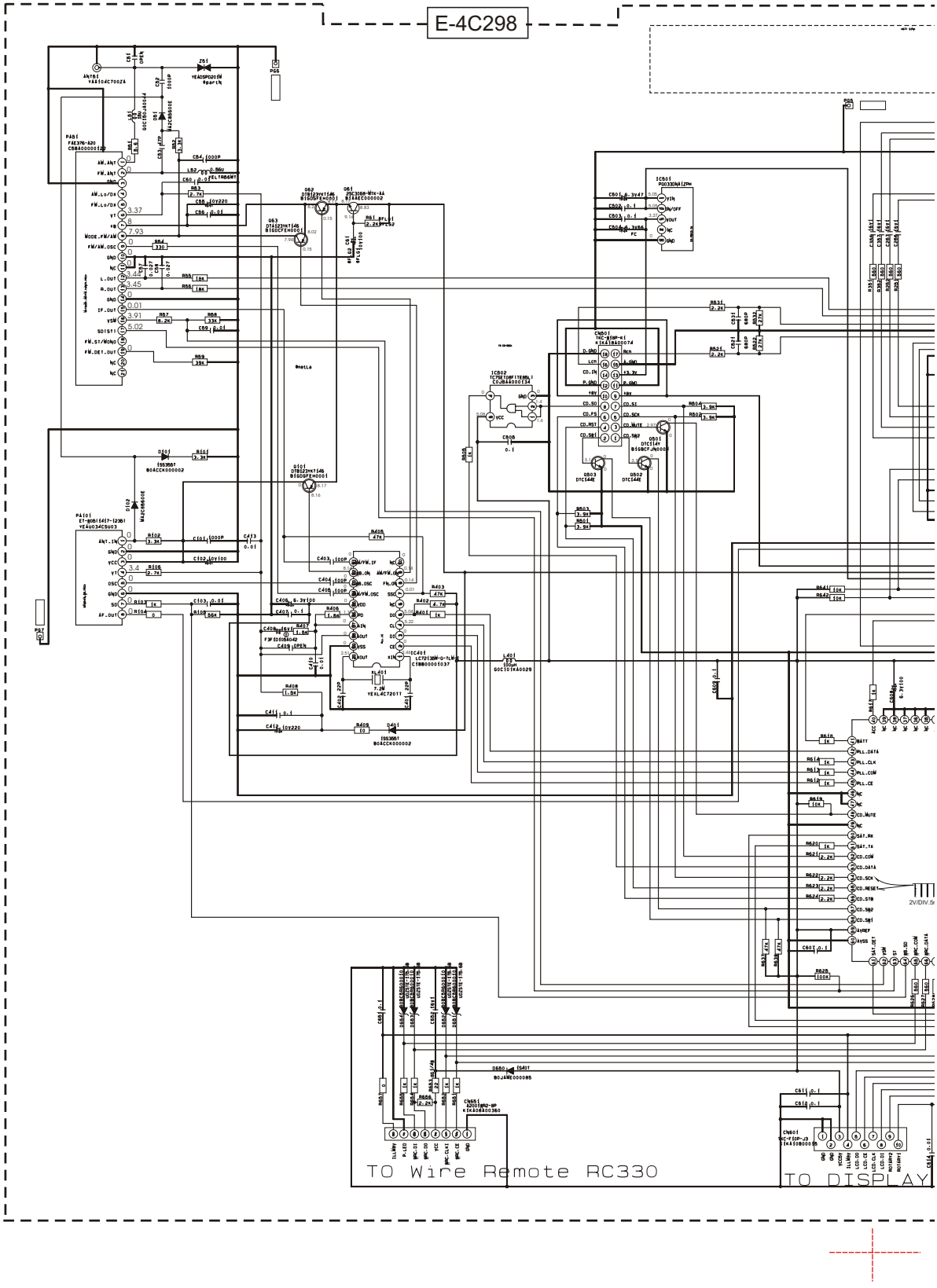
19 SCHEMATIC DIAGRAM-2

19.1. Display Block

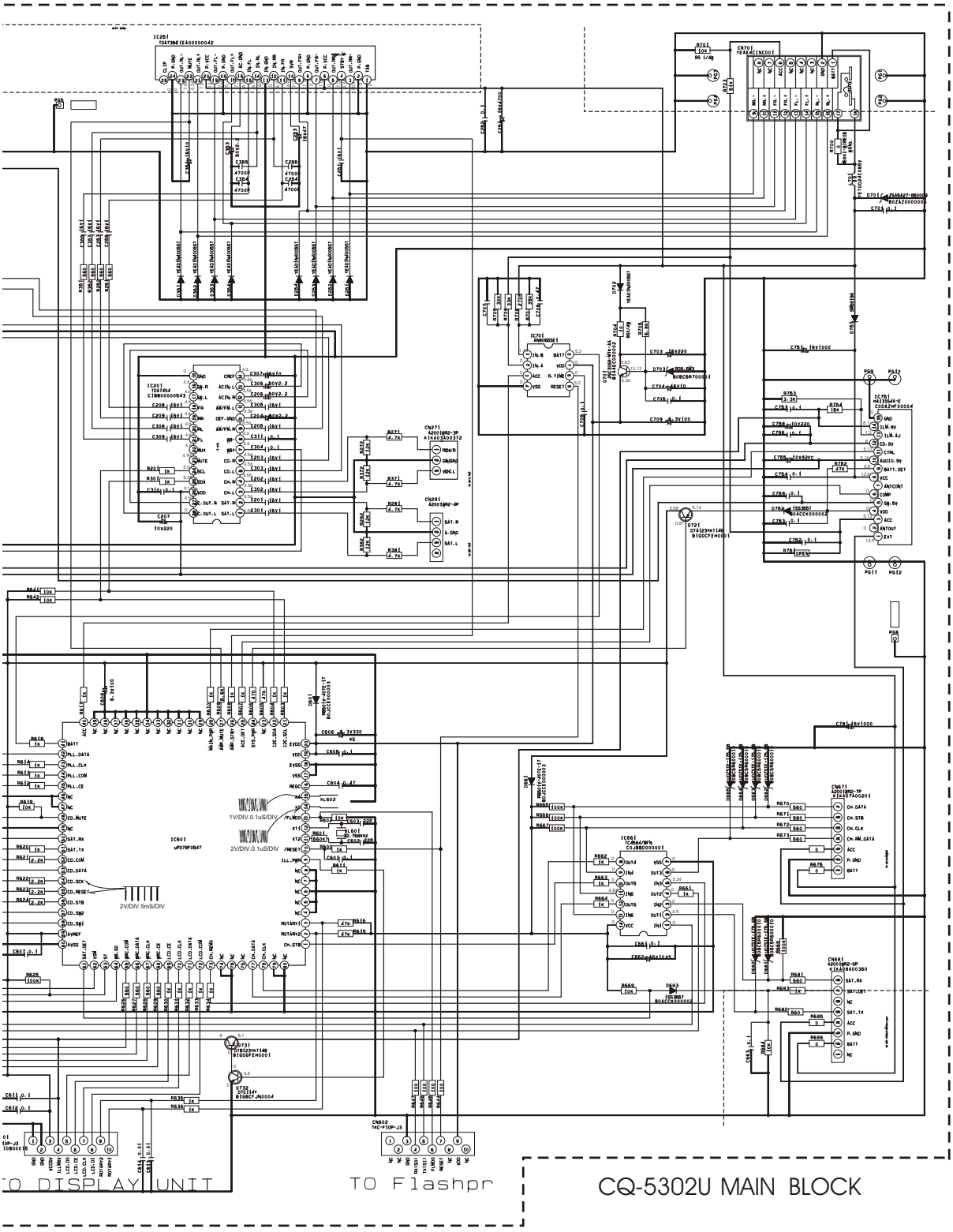


20 SCHEMATIC DIAGRAM for Printing with Letter Size

20.1. Main Block (Left Side)



20.2. Main Block (Right Side)



Printed in Taiwan
2006.04